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OM nucleic - nucleic search, using sw model

Run on: November 2, 2002, 13:15:51 ; Search time 22.6726 Seconds
(without alignments)
7432.073 Million cell updates/sec

Title: US-09-811-093b-46
Perfect score: 686
Sequence: 1 tctatctagatagaag.....ctgtttattgttcgtatt 686

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA:*

- 1: /cgn2.6/prodata/1/ina/5A_COMB.seq:*
- 2: /cgn2.6/prodata/1/ina/5A_COMB.seq:*
- 3: /cgn2.6/prodata/1/ina/6A_COMB.seq:*
- 4: /cgn2.6/prodata/1/ina/6B_COMB.seq:*
- 5: /cgn2.6/prodata/1/ina/6C_COMB.seq:*
- 6: /cgn2.6/prodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	682.8	99.5	686	3	US-09-142-514-2
2	132.2	19.3	751	1	US-08-592-936B-10
3	132.2	19.3	751	1	US-08-788-928A-16
4	132.2	19.3	751	2	US-09-111-573-10
5	99.4	14.5	745	1	US-08-592-936B-11
6	99.4	14.5	745	1	US-08-788-928A-19
7	99.4	14.5	745	2	US-09-111-573-11
8	99.4	14.5	2213	1	US-08-592-936B-12
9	99.4	14.5	2213	2	US-08-788-928A-1
10	99.4	14.5	2213	2	US-09-111-573-12
11	41.2	6.0	1320	1	US-08-257-073-15
12	41.2	6.0	1482	4	US-08-098-327B-41
13	41.2	6.0	1482	4	US-08-098-327B-45
14	41.2	6.0	1482	4	US-08-462-625-41
15	41.2	6.0	1482	4	US-08-462-625-45
16	41.2	6.0	1493	4	US-08-098-327B-38
17	41.2	6.0	1493	4	US-08-462-625-38
18	41.2	6.0	602	1	US-08-764-100-8
19	41.2	6.0	642	1	US-08-764-100-13
20	41.2	6.0	643	1	US-08-764-100-7
21	41.2	6.0	2993	1	US-08-764-100-2
22	41.2	6.0	2993	1	US-08-764-100-10
23	41.2	6.0	3000	1	US-08-764-100-9
24	41.2	6.0	3001	1	US-08-764-100-1
25	40.6	5.9	418	4	US-08-642-274D-46
26	40.6	5.9	418	4	US-08-952-014C-46
27	40.6	5.9	1150	1	US-08-161-406-1

Sequence 2, Appl1
Sequence 186, App
Sequence 1137, Ap
Sequence 288, App
Sequence 6, Appl1
Sequence 13, Appl1
Sequence 14, Appl1
Sequence 96, Appl1
Sequence 96, Appl1
Sequence 96, Appl1
Sequence 3, Appl1
Sequence 17, Appl1
Sequence 17, Appl1
Sequence 2, Appl1
Sequence 33, Appl1
Sequence 10, Appl1
Sequence 12, Appl1
Sequence 2, Appl1

28 40.6 5.9 5852 1 US-07-867-106-2
29 40.2 5.9 615 4 US-08-998-416-186
30 40.2 5.9 636 4 US-08-998-416-1137
31 40.2 5.9 837 4 US-08-998-416-288
32 40.2 5.9 837 4 US-08-998-416-288
33 40.2 5.9 837 4 US-08-998-416-288
34 40.2 5.9 837 4 US-08-998-416-288
35 40.2 5.9 837 4 US-08-998-416-288
36 40.2 5.9 837 4 US-08-998-416-288
37 40.2 5.9 837 4 US-08-998-416-288
38 40.2 5.9 837 4 US-08-998-416-288
39 40.2 5.9 837 4 US-08-998-416-288
40 40.2 5.9 837 4 US-08-998-416-288
41 40.2 5.9 837 4 US-08-998-416-288
42 40.2 5.9 837 4 US-08-998-416-288
43 40.2 5.9 837 4 US-08-998-416-288
44 40.2 5.9 837 4 US-08-998-416-288
45 40.2 5.9 837 4 US-08-998-416-288

ALIGNMENTS

RESULT 1
US-09-142-514-2
; Sequence 2, Application US/09142514A
; Patent No. 6107548
; GENERAL INFORMATION:
; APPLICANT: Aggelis, Alexandros
; APPLICANT: Grierson, Donald
; APPLICANT: John, Isaac
; APPLICANT: Karvouni, Zoi
; TITLE OF INVENTION: Fruit Ripening
; FILE REFERENCE: SEE50111/UST
; CURRENT APPLICATION NUMBER: US/09/142,514A
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: PCT/GB97/00824
; EARLIER FILING DATE: 1997-03-24
; EARLIER APPLICATION NUMBER: GB 9606906.7
; EARLIER FILING DATE: 1996-04-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 2
; LENGTH: 686
; TYPE: DNA
; ORGANISM: Cucumis melo
US-09-142-514-2

Query Match 99.5%; Score 682.8; DB 3; Length 686;
Best Local Similarity 99.7%; Pred. No. 3.7e-155;
Matches 684; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TCTATATCTAGAGATAGAGGTTTAAATCATGCTCTCTAATGGAAAGCTTGTGAGTCAA 60
DB 1 TCTATATCTAGAGATAGAGGTTTAAATCATGCTCTCTAATGGAAAGCTTGTGAGTCAA 60
QY 61 TTGAGATCATGAGCTGCTGAGAAATTTTACGAATATTTCAAGATCAATGTTTTCAG 120
DB 61 TTGAGATCAATGAGCTGCTGAGAAATTTTACGAATATTTCAAGATCAATGTTTTCAG 120
QY 121 GTTCCCAATATPAAACCCAGATGATGATCAACAAAGTTGAAATTCATGTTGATGAGTGA 180
DB 121 GTTCCCAATATPAAACCCAGATGATGATCAACAAAGTTGAAATTCATGTTGATGAGTGA 180
QY 181 GGCAATGAGATGCTCTATCAAGTCTTGGTATTACACTATTGATGGCAAGCGAAGTT 240
DB 181 GGCAATGAGATGCTCTATCAAGTCTTGGTATTACACTATTGATGGCAAGCGAAGTT 240
QY 241 TTTAAGGACGGTGGAGTTTACAGTATGATGATGATGATGATGATGATGATGATGATGATG 300
DB 241 TTTAAGGACGGTGGAGTTTACAGTATGATGATGATGATGATGATGATGATGATGATGATG 300
QY 301 GGAGATGTTTCAAAAATTATATAAAGCTTTAAACCCAGCTTACCAATTTGTACCTAAGGAT 360

Db 301 GGAGATGTTTCAAAAATATATAAGCTTTAAACAGCTTACCAATTTGTACCTAAGGAT 360
Qy 361 CGTAACCAATGCCAGGCAATCTGAGTATAGATATGAGAACTTCATCAGGGTCTCCT 420
Db 361 CGTAACCAATGCCAGGCAATCTGAGTATAGATATGAGAACTTCATCAGGGTCTCCT 420
Qy 421 GATCCTCAATAGTATATGACCTCATGATTTGGTATCACTAACGACATGGATCTCACATT 480
Db 421 GATCCTCAATAGTATATGACCTCATGATTTGGTATCACTAACGACATGGATCTCACATT 480
Qy 481 AATAGTATTTAATGCTGTCACATTTCTCAAGTGGCTTGTAAATTTGTTGGGAAA 540
Db 481 AATAGTATTTAATGCTGTCACATTTCTCAAGTGGCTTGTAAATTTGTTGGGAAA 540
Qy 541 GTATATTTTATTTGAAGTAAATTTCTGTTGGTGGTATGATATCTATTTTCTT 600
Db 541 GTATATTTTATTTGAAGTAAATTTCTGTTGGTGGTATGATATCTATTTTCTT 600
Qy 601 TTTATATTTCAATAAGTATATGTTTATATAATATTACAAAGTAAATAAATCCAAAGGA 660
Db 601 TTTATATTTCAATAAGTATATGTTTATATAATATTACAAAGTAAATAAATCCAAAGGA 660
Qy 661 TCATCCCTGTTTATGTTTCTGTTATT 686
Db 661 TCATCCCTGTTTATGTTTCTGTTATT 686

RESULT 2

US-08-592-936B-10
; Sequence 10, Application US/08592936B
; Patent No. 5783393
; GENERAL INFORMATION:
; APPLICANT: Bestwick, Jill A.
; TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
; TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,936B
; FILING DATE: 29-JAN-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 4257-0012
; TELEPHONE: (650) 324-0880
; TELEFAX: (650) 324-0960
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 751 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: pag301 insert, drul cdna clone
US-08-592-936B-10

Query Match 19.3%; Score 132.2; DB 1; Length 751;
Best Local Similarity 56.8%; Pred. No. 2.9e-23;
Matches 264; Conservative 0; Mismatches 198; Indels 3; Gaps 1;
Qy 43 GGAAGCCTTGAGTGAATAGATCAATGACGCTGCTGAGAAATTTTACGAATATTC 102
Db 4 GGAAGGTTGGAGCTGCATTTGAAATCTCAGCACCTGCTGACAAGTTCTTACAACTTTC 63
Qy 103 AAAGTCAATGTTTTTCAGGTTCCCAATATAACCCAGATGCATTCACCAAGTTGAAAT 162
Db 64 AAAGTGGAGCTCACACAGTCCCCCAAACTTCTCAAACTGGCCACCAATACCCGAG---TT 120
Qy 163 CATGTACTAATTTGGGATGGCCATGGACATGCTCTATCAAGTCTTTGGTATTACACTATT 222
Db 121 GCGGTGCATGAAGGAGACTGGGAACTGATGGCTCCATTAAGATTGGAATTATGCAATA 180
Qy 223 GATGCAAGGCAAGAGTTTAAAGAACGGGTCGAGTTTCACGATGATAAATTTGTTGATA 282
Db 181 GAGGCGAAGTGGGAACATTTCAAGGAGAAAGTAGAGCTAGACGATGTGAACAGGCAATA 240
Qy 293 GTCCTGGATGGAGTGGGAGGAGATGTTTCAAAATTTATAAAGCTTTTAAACAGCTTAC 342
Db 241 APTCTGAATGGTTGGAAGGAGATGTGTTCCAGTATTACAAGGCTTCAAGCCCGTCTAT 300
Qy 343 CAATTTGTACCTAAGGATCGTAACCAATTCGCCAGGCAATTTCTGAGTATAGATATGAGAAA 402
Db 301 CAATTCACCTCAAAAGANTGATGGCAGCAGCATTCGCAAGTGTCCATTGAATATGAGAAA 360
Qy 403 CTTTCATCATGGTCTCCTGATCCTCATAGTATATTGACCTCATGATTTGGTATCATCAAC 462
Db 361 CUGAGTGAGGAAGTTGCAGATCCAAATAGTACATTTCGCTTGATGACTAATATATCGTCAAG 420
Qy 463 GACATTGATCTCACATTAATAAGTATTTTATGCTGTGCACATT 507
Db 421 GATCTTGATGCCACTTCATCAAGGCATAAAAGGGATATTATAAT 465

RESULT 3

US-08-788-928A-16
; Sequence 16, Application US/08788928A
; Patent No. 5783394
; GENERAL INFORMATION:
; APPLICANT: Bestwick, Richard K.
; APPLICANT: Kellogg, Jill A.
; TITLE OF INVENTION: RASPBERRY PROMOTERS FOR EXPRESSION OF
; TITLE OF INVENTION: TRANSGENES IN PLANTS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,928A
; FILING DATE: 24-JAN-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/592,936
; FILING DATE: 29-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 4257-0015
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 324-0880

TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: pag301 insert, drul cDNA clone
US-08-788-928A-16

Query Match 19.3%; Score 132.2; DB 1; Length 751;
Best Local Similarity 56.8%; Pred. No. 2.9e-23;
Matches 264; Conservative 0; Mismatches 198; Indels 3; Gaps 1;
QY 43 GGAAGCTTGTGAGTGAATAGATCAATGCGAGCTGCTGAGAAATTTTACGAAATATTC 102
DB 4 GGAAGCTGAGGCTGACATTGAAATCTCAGCACCTGCTGACAAAGTTTCTACAACCTCTC 63
QY 103 AAGATCAATGTTTTCAGGTTCCCAATATAACCCCGAGATGCATTCACAAAGTTGAAT 162
DB 64 AAGAGTGAGGCTCACCCAGCTCCCAAACTTCTCAAACTGGCACCATATAACCGGAG---TT 120
QY 163 CATGGTACTAATTTGGGATGGCATGGACATGGCTCTATCAAGTCTTGTGTTATACACTATT 222
DB 121 GCGGTGCATGAGGAGACTGGGAACTGATGGCTCCATTAGATTTGGAATTTATGCAATA 180
QY 223 GATGGCAAGGCGAGAGTTTAAAGGACGGGTGAGTTTCACGATGATAAATTTGTTGATA 282
DB 181 GAGGGCAAGTGGGAACATTCAAGGAGAAAGTAGAGCTAGACGATGTGAACAAGGCAATA 240
QY 283 GTCTTGATGAGTGGGAGGAGATGTTTCAAAAATTAATAAGCTTTAAACCAAGCTTAC 342
DB 241 ATTTGTAAGTGGTGGGAGGAGATGTTTCCAGTATTACAAGACTTCAAGCCCGCTCTAT 300
QY 343 CAATTTGACTAAGGATCGTAACATTTGCCAGGCAATTTCTGATATAGATATGAGAAA 402
DB 301 CAATTTCAATAAGATGATGGCAGCAGCATTTGCCAAAGTGTCCATTGATATGAGAAA 360
QY 403 CTTTCATCATGGGTCTCTGATCCATTAAGTATATTAAGCTTCATGATTTGATGATCACTAAC 462
DB 361 CTGAGTGAGGAAGTTCAGATCCAAATAAGTATACATTCGCTTGATGACTAATATCGTCAAG 420
QY 463 GACATTTGGATCTCAATTAATAAGTATTAAATGCTGTGCATATT 507
DB 421 GATCTTGATGCCACTTCATCAAGGCATATAAAGGGATATTATAAT 465

RESULT 4
US-09-111-573-10
Sequence 10, Application US/09111573
Patent No. 5929302
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
NUMBER OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,573
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA: US/08/592,936
APPLICATION NUMBER: US/08/592,936
FILING DATE: 29-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: pag301 insert, drul cDNA clone
US-09-111-573-10

Query Match 19.3%; Score 132.2; DB 2; Length 751;
Best Local Similarity 56.8%; Pred. No. 2.9e-23;
Matches 264; Conservative 0; Mismatches 198; Indels 3; Gaps 1;
QY 43 GGAAGCTTGTGAGTGAATAGATCAATGCGAGCTGCTGAGAAATTTTACGAAATATTC 102
DB 4 GGAAGCTGAGGCTGACATTGAAATCTCAGCACCTGCTGACAAAGTTTCTACAACCTCTC 63
QY 103 AAGATCAATGTTTTCAGGTTCCCAATATAACCCCGAGATGCATTCACAAAGTTGAAT 162
DB 64 AAGAGTGAGGCTCACCCAGCTCCCAAACTTCTCAAACTGGCACCATATAACCGGAG---TT 120
QY 163 CATGGTACTAATTTGGGATGGCATGGACATGGCTCTATCAAGTCTTGTGTTATACACTATT 222
DB 121 GCGGTGCATGAGGAGACTGGGAACTGATGGCTCCATTAGATTTGGAATTTATGCAATA 180
QY 223 GATGGCAAGGCGAGAGTTTAAAGGACGGGTGAGTTTCACGATGATAAATTTGTTGATA 282
DB 181 GAGGGCAAGTGGGAACATTCAAGGAGAAAGTAGAGCTAGACGATGTGAACAAGGCAATA 240
QY 283 GTCTTGATGAGTGGGAGGAGATGTTTCAAAAATTAATAAGCTTTAAACCAAGCTTAC 342
DB 241 ATTTGTAAGTGGTGGGAGGAGATGTTTCCAGTATTACAAGACTTCAAGCCCGCTCTAT 300
QY 343 CAATTTGACTAAGGATCGTAACATTTGCCAGGCAATTTCTGATATAGATATGAGAAA 402
DB 301 CAATTTCAATAAGATGATGGCAGCAGCATTTGCCAAAGTGTCCATTGATATGAGAAA 360
QY 403 CTTTCATCATGGGTCTCTGATCCATTAAGTATATTAAGCTTCATGATTTGATGATCACTAAC 462
DB 361 CTGAGTGAGGAAGTTCAGATCCAAATAAGTATACATTCGCTTGATGACTAATATCGTCAAG 420
QY 463 GACATTTGGATCTCAATTAATAAGTATTAAATGCTGTGCATATT 507
DB 421 GATCTTGATGCCACTTCATCAAGGCATATAAAGGGATATTATAAT 465

RESULT 5
US-08-552-936B-11
Sequence 11, Application US/08592936B
Patent No. 5783393
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS

Sequence 11, Application US/09111573
Patent No. 5929302
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,573
FILING DATE: 29-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/592,936
FILING DATE: 29-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0012
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: pag302, drul genomic clone
US-09-111-573-11

Query Match 14.5%; Score 99.4; DB 2; Length 745;
Best Local Similarity 57.1%; Pred. No. 2.1e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 191 ATGGCTCTATCAAGTCTTGGTATTACACTATTGATGGCAGGAGAGTTTAAAGGAC 250
DB 282 ATGTTTCAAGTATTATTTCTTACAAATATAGAGGGGAAAGTGGGAACATTCAAGGAGA 341
QY 251 GGGTCAGTTTCAAGTATATAATTTCTGATAGTCTTGGATGGAGTGGGAGGAGATGTGT 310
DB 342 AAGTAGAGTAGCAGATGTGAACAAGGCATATTTCTGATGGGTTGGAGGAGATGTGT 401
QY 311 TCAAAATATATAAAGCTTTAAACAGCTTACCAATTTGTACCTAAGGATCGTAACCAT 370
DB 402 TCAGTATTACAGAGCTTCAAGCCGCTCTATCAATTCACCTCAAAAGATGATGGCAGCA 461
QY 371 GCCAGGCATTCGAGTATAGATATAGAAACTTCATCATGGGTCTCTGATCCCTCAT 430
DB 462 GCATTCGCCAAGTGTCCATTGATATAGAAACTGAGTGGAGTGGAGTGGCAATCA 521
QY 431 AGTATATACCTTCATGATGGTGTATCACTAACGACATTTGGATCTCACAATAAGTAT 490
DB 522 AGTACATTCGCTTGATGACTATATATCGTCAAGGATCTTGTATGCCCACTTCATCAAGGCAT 581
QY 491 TTAATGCTGTGCATTT 507

Db 582 AAAAGGGATATTATAAT 598

RESULT 8

US-08-592-936B-12
Sequence 12, Application US/08592936B
Patent No. 5783393
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,936B
FILING DATE: 29-JAN-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0012
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 2213 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: pag310 Insert sequence
US-08-592-936B-12

Query Match 14.5%; Score 99.4; DB 1; Length 2213;
Best Local Similarity 57.1%; Pred. No. 2.7e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 191 ATGGCTCTATCAAGTCTTGGTATTACACTATTGATGGCAGGAGAGTTTAAAGGAC 250
DB 1653 ATGTTTCAAGTATTATTTCTTACAAATATAGAGGGGAAAGTGGGAACATTCAAGGAGA 1712
QY 251 GGGTCAGTTTCAAGTATATAATTTCTGATAGTCTTGGATGGAGTGGGAGGAGATGTGT 310
DB 1713 AAGTAGAGTATAGAGCTTGAACCAATATTTCTGAATGGTTCGAAGGAGATGTGT 1772
QY 311 TCAAAATATATAAAGCTTTAAACAGCTTACCAATTTGTACCTAAGGATCGTAACCAT 370
DB 1773 TCAGTATTACAGAGCTTCAAGCCGCTCTATCAATTCACCTCAAAAGATGATGGCAGCA 1832
QY 371 GCCAGGCATTCGAGTATAGATATAGAAACTTCATCATGGGTCTCTGATCCCTCAT 430
DB 1833 GCATTCGCCAAGTGTCCATTGATATAGAAACTGAGTGGAGTGGAGTGGCAATCA 1892
QY 431 AGTATATACCTTCATGATGGTGTATCACTAACGACATTTGGATCTCACAATAAGTAT 490
DB 1893 AGTACATTCGCTTGATGACTATATATCGTCAAGGATCTTGTATGCCCACTTCATCAAGGCAT 1952

Qy	491	TAAATGCTGTACATT 507
Db	1953	AAAAGGGATATTATAAT 1969
RESULT 9		
US-08-788-928A-1		
; Sequence 1, Application US/08788928A		
; Patent No. 5783394		
; GENERAL INFORMATION:		
; APPLICANT: Bestwick, Richard K.		
; APPLICANT: Kellogg, Jill A.		
; TITLE OF INVENTION: RASPBERRY PROMOTERS FOR EXPRESSION OF		
; TITLE OF INVENTION: TRANSGENES IN PLANTS		
; NUMBER OF SEQUENCES: 25		
; CORRESPONDENCE ADDRESS:		
; ADDRESSEE: Dehlinger & Associates		
; STREET: 350 Cambridge Avenue, Suite 250		
; CITY: Palo Alto		
; STATE: CA		
; COUNTRY: USA		
; ZIP: 94306		
; COMPUTER READABLE FORM:		
; MEDIUM TYPE: Diskette		
; OPERATING SYSTEM: DOS		
; SOFTWARE: FastSeq for Windows Version 2.0		
; CURRENT APPLICATION DATA:		
; APPLICATION NUMBER: US/08/788,928A		
; FILING DATE: 24-JAN-1997		
; CLASSIFICATION: 800		
; PRIOR APPLICATION DATA:		
; APPLICATION NUMBER: US 08/592,936		
; FILING DATE: 29-JAN-1996		
; ATTORNEY/AGENT INFORMATION:		
; NAME: Evans, Susan T.		
; REGISTRATION NUMBER: 38,443		
; REFERENCE/DOCKET NUMBER: 4257-0015		
; TELECOMMUNICATION INFORMATION:		
; TELEPHONE: (650) 324-0880		
; TELEFAX: (650) 324-0960		
; INFORMATION FOR SEQ ID NO: 1:		
; SEQUENCE CHARACTERISTICS:		
; LENGTH: 2213 base pairs		
; TYPE: nucleic acid		
; STRANDEDNESS: both		
; TOPOLOGY: linear		
; MOLECULE TYPE: DNA		
; HYPOTHETICAL: NO		
; ANTI-SENSE: NO		
; ORIGINAL SOURCE:		
; INDIVIDUAL ISOLATE: pag310 insert sequence (dru 1 gene)		
US-08-788-928A-1		
Query Match 14.5%; Score 99.4; DB 1; Length 2213;		
Best Local Similarity 57.1%; Pred. No. 2.7e-15;		
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;		
Qy	191	ATGGCTCATCAAGTCTTGTTACACTATTGATCGCAAGGCAGAGTTTTTAAGGAAC 250
Db	1653	ATTGTTTCAGTGATATTCTTACAANAATAGAGGGCAAGTGGGAACATTCAGAGAGA 1712
Qy	251	GGGTCCAGTTTCAGCATGATAAATTTGTATAGTCTTGGATGGAGTGGGAGAGATGTGT 310
Db	1713	AAGTAGAGCTAGAGTGTGACACAGGCAATTAATTCGAATGGTGGGAAGAGATGTGT 1772
Qy	311	TCAAAAATTATAAAGCTTTTAAACCAGCTTACCACATTTGTACCTAAGGATCGTAACCAATT 370
Db	1773	.TCCAGTATTACAAGAGCTTCAAGCCGCTATCAATTCACCTCAAAGAATGATGCCAGCA 1832
Qy	371	GCCAGGCAATTCAGATATAGAGTATGAGAACTTCATCAGTGGGTCTCCTGATCCTATA 430
Db	1933	CGATTGCCAAGTGTCCATTGGAATATGAGAACTGAGTGAGGAGAGTTCGATCCCAATA 1892

Qy	491	TAAATGCTGTACATT	507
Db	1953	AAAAGGGATATAAAT	1969
 RESULT 9			
US-08-788-928A-1			
; Sequence 1, Application US/08788928A			
; Patent No. 5783394			
; GENERAL INFORMATION:			
; APPLICANT: Bestwick, Richard K.			
; APPLICANT: Kellogg, Jill A.			
; TITLE OF INVENTION: RASPBERRY PROMOTERS FOR EXPRESSION OF			
; TITLE OF INVENTION: TRANSGENES IN PLANTS			
; NUMBER OF SEQUENCES: 25			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Dehlinger & Associates			
; STREET: 350 Cambridge Avenue, Suite 250			
; CITY: Palo Alto			
; STATE: CA			
; COUNTRY: USA			
; ZIP: 94306			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Diskette			
; OPERATING SYSTEM: DOS			
; SOFTWARE: FastSeq for Windows Version 2.0			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/08/788,928A			
; FILING DATE: 24-JAN-1997			
; CLASSIFICATION: 800			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER: US 08/592,936			
; FILING DATE: 29-JAN-1996			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Evans, Susan T.			
; REGISTRATION NUMBER: 38,443			
; REFERENCE/DOCKET NUMBER: 4257-0015			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: (650) 324-0880			
; TELEFAX: (650) 324-0960			
; INFORMATION FOR SEQ ID NO: 1:			
; LENGTH: 2213 base pairs			
; TYPE: nucleic acid			
; STRANDEDNESS: both			
; TOPOLOGY: linear			
; MOLECULE TYPE: DNA			
; HYPOTHETICAL: NO			
; ANTI-SENSE: NO			
; ORIGINAL SOURCE:			
; INDIVIDUAL ISOLATE: pag310 insert sequence (dru 1 gene)			
US-08-788-928A-1			
 Query Match 14.5%; Score 99.4; DB 1; Length 2213;			
Best Local Similarity 57.1%; Pred. No. 2.7e-15;			
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;			
Qy	191	ATGGCTCATCAAGTCTTGTTACACTATTGATCGCAAGGCAGAGTTTTTAAGGAAC	250
Db	1653	ATTGTTTCAGTGATATATTTCTTACAANAATAGAGGGCAAGTGGGAACATTCAGGAGA	1712
Qy	251	GGGTCCGAGTTTCAGCATGATAAATTTGTATAGTCTTGGATGGAGTGGGAGAGATGTGT	310
Db	1713	AAGTAGAGCTAGAGTGTGACACAGGCAATTAATTCGAATGGTGGGAAGAGATGTGT	1772
Qy	311	TCAAAAATTATAAAGCTTTTAAACCAGCTTACCACATTTGTACCTAAGGATCGTAACCAAT	370
Db	1773	.TCCAGTATTACAAGAGCTTCAAGCCGCTATCAATTCACCTCAAAGAATGATGCCAGCA	1832
Qy	371	GCCAGGCNAATCTCAGTATAGATAGATGAGAACAATTCATCATCGGGTCTCCTGATCCTATA	430
Db	1933	CGAATGCCAAGTGTCCATTTGAATATGAGAACTGAGTGAGGAGAGTTTCGATGATCCAATA	1892

Db 1773 TCAGTATTACAAGAGCTTCAAGCCCGTCTATCAATTCACAAAGAATGATGGCAGCA 1832
QY 371 GCCAGGCAATTCAGTATAGATGATGAGAACTTCATCATGCTCCCTGATCCTCATA 430
Db 1833 GCATTGCCAAGTCTCCATTGAATATGAGAACTTGAGTGGAGAGTTGCGAGATCCAATA 1892
QY 431 AGTATATTGACCTCATGATGGTATCACTAACGACATTTGGATCTCACATTAATAAATGAT 490
Db 1893 AGTACATTCGCTTGATGACATAATATCTCAAGGATCTTGATGCCCACTTCATCAAGCAT 1952
QY 491 TTAATGCTGTGCACATT 507
Db 1953 AAAAGGGATATTATAAT 1969

RESULT 11

US-08-257-073-15/c
; Sequence 15, Application US/08257073
; Patent No. 5766597
; GENERAL INFORMATION:
; APPLICANT: Paolletti, Enzo
; APPLICANT: de Taisne, Charles
; APPLICANT: Tine, John A.
; TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
; NUMBER OF SEQUENCES: 143
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtiss, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue, 25th Floor.
; CITY: New York
; STATE: New York
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 10036

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/257,073

; FILING DATE: 09-JUN-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/075,783

; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/852,305

; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/672,183

; FILING DATE: 20-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer, William S.
; REGISTRATION NUMBER: 25,506

; REFERENCE/DOCKET NUMBER: 454310-2570
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 840-3333
; TELEFAX: (212) 840-0712

; TELEX: 425066 CURTMS
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1320 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-08-257-073-15

Query Match 6.0%; Score 41.2; DB 1; Length 1320;

Best Local Similarity 56.7%; Pred. No. 0.21; Mismatches 58; Indels 0; Gaps 0;
Matches 76; Conservative 0;

QY 542 TTATATTTTATTTTGAAGTAATTTTCGTCGTGATGATGATGATGATGATGATGATGATGAT 601
Db 1151 TTATCATTTGGTTTAAATATATATCCCTTTGTTTTTTCATATATTTCTTCCTTTTATT 1092

QY 602 TTATATTTTCAATAAGTTATATGTTTATATATATATATATATATATATATATATATATATAT 661
Db 1091 TTTTCTTCAGATAATTTCTTCGATGATTTTCTATTCCTTATCATCTAAATCATCTAAATTT 1032
QY 662 CATCCCTTGGTTAT 675
Db 1031 TCATTTTCTCTAT 1018

RESULT 12

US-08-098-327E-41/c
; Sequence 41, Application US/08098327E
; Patent No. 6270771

; GENERAL INFORMATION:

; APPLICANT: GUERIN-MARCHAND, Claudine

; APPLICANT: DRUILHE, Pierre

; TITLE OF INVENTION: PEPTIDE SEQUENCES SPECIFIC FOR THE

; TITLE OF INVENTION: HEPATIC STAGES OF P. FALCIPARUM BEARING EPITOPES CAPABLE

; TITLE OF INVENTION: OF STIMULATING THE T LYMPHOCYTES

; NUMBER OF SEQUENCES: 46

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Burns, Doane, Swecker & Mathis

; STREET: P.O. Box 1404

; CITY: Alexandria

; STATE: Virginia

; COUNTRY: United States

; ZIP: 22313-1404

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/098,327E

; FILING DATE: 24-NOV-1993

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FR 91 01286

; FILING DATE: 05-FEB-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: McGowan, Malcolm K.

; REGISTRATION NUMBER: 39,300

; REFERENCE/DOCKET NUMBER: 010830-045

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 836-6620

; TELEFAX: (703) 836-2021

; INFORMATION FOR SEQ ID NO: 41:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1482 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..1482

; PUBLICATION INFORMATION:

; DOCUMENT NUMBER: WO 92/13884

; PUBLICATION DATE: 20-AUG-1992

US-08-098-327E-41

Query Match 6.0%; Score 41.2; DB 4; Length 1482;

Best Local Similarity 56.7%; Pred. No. 0.21; Mismatches 58; Indels 0; Gaps 0;
Matches 76; Conservative 0;

QY 542 TTATATTTTATTTTGAAGTAATTTTCGTCGTGATGATGATGATGATGATGATGATGATGAT 601
Db 1313 TTATCATTTGGTTTAAATATATATCCCTTTGTTTTTTCATATTTCTTCTCTTTTATT 1254

QY 602 TTATATTTTCAATAAGTTATATGTTTATATATATATATATATATATATATATATATATATAT 661
Db 1253 TTTTCTTCAGATAAATTTCTTCTGATGATTTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1194

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OM nucleic - nucleic search, using sw model

Run on: November 2, 2002, 13:15:51; Search time 51.3774 Seconds
(without alignments)
7432.073 Million cell updates/sec

Title: US-09-811-093b-42_COPY_156_1708
Perfect score: 1553
Sequence: 1 taactagaagctaaaggacg.....gagatagaaggttttaaatc 1553

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued_Patents_NA.*
1: /cgn2.6/prodata/1/ina/5A-COMB.seq.*
2: /cgn2.6/prodata/1/ina/5B-COMB.seq.*
3: /cgn2.6/prodata/1/ina/6A-COMB.seq.*
4: /cgn2.6/prodata/1/ina/6B-COMB.seq.*
5: /cgn2.6/prodata/1/ina/PCTUS-COMB.seq.*
6: /cgn2.6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	92.8	6.0	636	4	US-08-998-416-1137
2	89.8	5.8	837	4	US-08-998-416-288
3	89.2	5.7	718	1	US-08-232-463-14
4	89	5.7	6124	4	US-08-213-419B-3
5	86.6	5.6	19124	2	US-08-487-826B-13
6	86.2	5.6	19124	2	US-08-487-826B-13
7	84	5.4	615	4	US-08-998-416-186
8	80.8	5.2	1431	4	US-09-316-083-2
9	76.2	4.9	5852	1	US-07-867-106-2
10	74.2	4.8	5852	1	US-07-867-106-2
11	74	4.8	240	1	US-08-628-417-6
12	73.6	4.7	6243	2	US-09-056-075-1
13	73.4	4.7	1511	1	US-07-991-867B-8
14	73.4	4.7	1511	1	US-08-107-755A-8
15	73.4	4.7	1511	2	US-08-544-332-8
16	73.2	4.7	658	4	US-08-998-416-595
17	72.6	4.7	2447	2	US-09-014-969-14
18	71.8	4.6	854	4	US-08-998-416-534
19	71.4	4.6	3095	6	5231168-1
20	71.2	4.6	636	4	US-08-998-416-1137
21	70.8	4.6	724	4	US-08-998-416-683
22	70.4	4.5	732	4	US-08-998-416-1036
23	69	4.4	3701	4	US-08-845-258-10
24	69	4.4	3701	4	US-08-990-571-10
25	69	4.4	3701	4	US-08-723-142A-10
26	68.8	4.4	837	4	US-08-998-416-288
27	68.4	4.4	6152	4	US-08-973-462-1

c 28	68.2	4.4	565	2	US-08-883-795A-36	Sequence 36, Appl
c 29	67.8	4.4	6124	4	US-08-213-419B-3	Sequence 3, Appl
c 30	67.6	4.4	615	4	US-08-998-416-186	Sequence 186, App
c 31	67.4	4.3	3701	4	US-08-845-258-10	Sequence 10, Appl
c 32	67.4	4.3	3701	4	US-08-990-571-10	Sequence 10, Appl
c 33	67.4	4.3	3701	4	US-08-723-142A-10	Sequence 10, Appl
c 34	67	4.3	4673	1	US-07-638-431-1	Sequence 1, Appl
c 35	67	4.3	4673	5	PCT-US92-00018-1	Sequence 1, Appl
c 36	67	4.3	8920	2	US-08-446-855A-1	Sequence 1, Appl
c 37	67	4.3	8920	4	US-09-150-741-1	Sequence 1, Appl
c 38	66.8	4.3	8920	2	US-08-446-855A-1	Sequence 1, Appl
c 39	66.8	4.3	8920	4	US-09-150-741-1	Sequence 1, Appl
c 40	66.2	4.3	663	4	US-08-998-416-191	Sequence 191, App
c 41	65.8	4.2	2861	1	US-08-299-953-1	Sequence 1, Appl
c 42	65.8	4.2	2861	1	US-08-459-415-1	Sequence 1, Appl
c 43	65.8	4.2	2861	4	US-09-066-687-1	Sequence 1, Appl
c 44	65.8	4.2	2861	5	PCT-US95-11231-1	Sequence 1, Appl
c 45	65.8	4.2	3881	1	US-08-299-953-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-998-416-1137
; Sequence 1137, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtel, Philipp
; APPLICANT: Rebischung, Corline
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPII
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation
; STREET: 3054 Cornwallis Road
; CITY: Research Triangle Park
; STATE: No. 6239264th Carolina
; COUNTRY: USA
; ZIP: 27709

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meligs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1137:
SEQUENCE CHARACTERISTICS:
LENGTH: 636 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1692RP

US-08-998-416-1137

Query Match 6.0%; Score 92.8; DB 4; Length 636;
Best Local Similarity 49.7%; Pred. No. 4.9e-07;
Matches 300; Conservative 0; Mismatches 292; Indels 12; Gaps 2;

QY 751 AATAAATGAAATCCGATATATAATTAATTTTCCCAAAAGAGTACGATGCTATC 810
DB 16 AATTTAATTAAGAGTATATAAATCTTTTATATATATATTAAGTATTAATAT 75
QY 811 TAAAAATTTGATCCCAATATAGAACAAATCTCAAAATGAGAACAAATTTGAAATCTC 870
DB 76 TTAACATATATATCAATTAATAAATTAATTTATTTGATTAATACTATATATAT 135
QY 871 GATATAGAAACATTTACTTATTTGAATGGGACATATCCAAAGTTATCCAAAGCT 930
DB 136 AATTTATATATTAATTTACTTATTCATCATTTAATAATTTTATATAAATTA 192
QY 931 AACTTTGAAGGAAAGTTGATGAGATACATCCATATTTTGTTCATATTTGAATTT 990
DB 193 AATATTTAATGAAATCTATTTAGTCTATGTTCAATTTTAAATAGTATTAATAT 252
QY 991 CATGAAATTTAAATGACACAAATGATGATGAGATTAACCAAGTTTATCGTTAT 1050
DB 253 TATTAGATATTTATTTTC-----TTTAATAAATTTAATAAGATTAATCA 303
QY 1051 TGAATCTTTTATTAATAACCAACAAATTTTAAACTGTTTGCATAGACCAATATA 1110
DB 304 TTAATATATATTTATTTATTTTAAATAATATATTTTATTAATAAGATTTA 363
QY 1111 GTTATCCATCGTGGCTATTTAGATAAATTTGTAATTTTATTAATAATATAT 1170
DB 364 AATTTATTAATTTAATTTATTTTAAATAATATATTTTATTAATAAGATTTA 363
QY 1171 GTTATCCATCGTGGCTATTTAGATAAATTTGTAATTTTATTAATAATATAT 1230
DB 364 AATTTATTAATTTAATTTATTTTAAATAATATATTTTATTAATAAGATTTA 363
QY 1231 ATATCTTATATAAATTTGTTGT-----TTTAATAAATTTAATAAGATTTA 1289
DB 484 AATTTCTTATTTATTTTATTTTATTTTAAATAATATATTTTATTAATAAGATTTA 503
QY 1290 TATAACATTTTAAATCAATTAATGATGACACACATATATTTTATCCAAAGAA 1349
DB 544 TATTTAATTTAAATTTATTTTAAATAATTTTATCAATTTTATTAATAAAT 603
QY 1351 TAAT 1354
DB 604 TTAT 607

RESULT 2

US-08-998-416-288
Sequence 288, Application US/08998416
Patent No. 6239264
GENERAL INFORMATION:

APPLICANT: Philippsen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: Knechtel, Philipp
APPLICANT: Reibichung, Corine
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPHII
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998.416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 288:
SEQUENCE CHARACTERISTICS:
LENGTH: 837 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1241RP
US-08-998-416-288

Query Match 5.8%; Score 89.8; DB 4; Length 837;
Best Local Similarity 50.4%; Pred. No. 1.4e-06;
Matches 305; Conservative 0; Mismatches 287; Indels 13; Gaps 3;
QY 751 AATAAATGAAATCCGATATATAATTTTCCCAAAAGAGTACGATGCTATC 810
DB 16 AATTTAATTAAGAGTATATAAATCTTTTATATATATATTAAGTATTAATAT 75
QY 811 TAAAAATTTGATCCCAATATAGAACAAATCTCAAAATGAGAACAAATTTGAAATCTC 870
DB 76 TTAACATATATATCAATTAATAAATTAATTTATTTGATTAATACTATATAT 135
QY 871 GATATAGAAACATTTACTTATTTTGAATGGGACATATTTCCAAAGTTATCCAAAGCT 930
DB 136 AATTTATATATATTTACTTATTTATTCATCATTTATATATTTTATATAAAT 192
QY 931 AACTTTGAAGGAAAGTTGATGAGATTAACATTTTGTTCATATTTGATTAATTT 990
DB 193 AATTTTATATGAAATCTATTTAGTCTATGTTCAAAATTTTAAATTTAGTTTAA 252
QY 991 CATGAAATTTAAATGACACAAATGATGATGAGATTAACCAAGTTTATCCGTTAT 1050
DB 253 TATTAGATATTTATTTTC-----TTTAATAAATTTAATAAGATTTATCA 303
QY 1051 TGAATCTTTTATTAATAACCAACAAATTTTAAACTGTTTGCATAGACCAATATA 1110
DB 304 TTAATATATATTTATTTATTTTAAATAATATATTTTATTAATAAGATTTA 363
QY 1111 GTTATCCATCGTGGCTATTTAGATAAATTTGTAATTTTATTAATAATATAT 1170
DB 364 AATTTATTAATTTAATTTATTTTAAATAATATATTTTATTAATAAGATTTA 423
QY 1171 TTTGATTTATTTTGTATATATTTTGTATTAATAAATTTAAGATTTTAAATTT 1230
DB 424 GTTGATTTATTTTAAATCTTTTATAGAAATTTTATTAATAATATTTTAACTTTA 483
QY 1231 ATATCTTATATAAATTTGTTGT-----TTTAATAAATTTAATAAGATTTA 1289
DB 484 AATTTCTTATTTATTTTATTTTATTTTAAATAATATATTTTATTAATAAGATTTA 503
QY 1290 TATAACATTTTAAATCAATTAATGATGACACACATATATTTTATCCAAAGAA 1349
DB 544 TATTTAATTTAAATTTATTTTAAATAATTTTATCAATTTTATTAATAAAT 603

QY 739 AAGAGCCCTTAAATTAATGATCGCATATAATTAATTTTCCCAAAAAGTAG 798
Db 1654 TACAATTTTTTTTTTTTTTTTTTTTTTTTAAACCGAATGAATATATATTTATGAGATC 1713
QY 799 ACTATGCTATCAAAAATTTGATTTCCCAATATAGAACAAATTCMAAATGAACAAACA 858
Db 1714 ACAATTTTAAATTAATTTTTTTTTTTCGGTTAAATATTTTTTGTGTCAGATAACTA 1773
QY 859 TTTGAATTCGATATAGAAACAACTTACTATTTTGAATTTGGACATATTTCCAAAGTT 918
Db 1774 ATCCCTTGTATTTCTTAAAAAAAATGTACACATGTACAATGTATATATATATATA 1833
QY 919 TAT-TCCAAACCTTAATTTGAAGGAAGTTGATGAGATTACATCCATTTTGT 977
Db 1834 TATATGATCTTACAATTTAATATATTTTAGAATATTAATTAATTTTCTAGATAAC 1893
QY 978 TCATATTTGAATTTTCATGGAATTTAAATGCACAAATGATGATGAGATTAAACCAA 1037
Db 1894 TATAATTTGATAATCGGAATCTTAAATGTTACAAAATGAGAGTAAACACTCATT 1953
QY 1038 ACTTATCGTTATGAACTTTTATTAACCAACAAATTTTAAACCTTTGTTGCA 1097
Db 1954 AT 2013
QY 1098 ATAGACCAATATAGTTAATCCATCGTGGTCTATTTAGATTAATTTCTATATTTTCTTAT 1157
Db 2014 ATATGGTTCTTTCTTTTTTTTTTTTTTTTTTTTATGAGAGGTGTCATATATATTTT 2073
QY 1158 ATTTAATTAATTTTGAATTTATTTTGTATATATTTGATTAATTAAGATAACAAATTAAGATT 1217
Db 2074 TTTGAATTAATTAATTAACAGGTCATATTTCTAGATTTATCTTATGAGATGATAC 2133
QY 1218 TAAATATATTTTATCTTATATATAAATTAATTTTAAATTTTAAATTTTAAATTTTAA 2193
Db 2134 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2253
QY 1271 ACCATTTCTCTTTTATATATAACATTTTAAATAAATAAATAAATAAATAAATAAATAA 2309
Db 2194 TATATTTATTAATTTA 2369
QY 1331 TTATTTTCCAAAGAAATTAATGCTATATAATTTGCTCTTCTTTATCACCCTTCATGA 1390
Db 2254 TTAGATTTGCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 2309
QY 1391 TAAATATGAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1450
Db 2310 CATATATTATACATAAAGAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 2369
QY 1451 TAGATATTACTATCAACAACTTTGTGTATATAAAGGCGCAAGAAAT 1497
Db 2370 CTTAAATATATATAACTTAATATATATATATATATATATATATATATATATATATAT 2416

RESULT 5

US-08-487-826B-13/C
; Sequence 13, Application US/08487826B
; Patent No. 5993827

GENERAL INFORMATION:

APPLICANT: Sim, Kim L.
APPLICANT: Chitnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellens, Thomas E.

TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX

TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US

ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israel, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-487-826B-13

Query Match 5.6%; Score 86.6; DB 2; Length 19124;

Best Local Similarity 47.7%; Pred No. 4.6e-06;

Matches 382; Conservative 0; Mismatches 409; Indels 10; Gaps 4;

QY 643 TATATTTCTTATTTATGTTTGTAGAAATTTTTCATTTTCGAAATTTGTTCTATACAAAT 702
Db 7051 TACAATATATGATATGTTTAAAAAATAATATTAATATGATATATAATAATATTATTAG 6992
QY 703 AAATATAAATATTTTACCACCTCGTTATATTTTCGAAAGACCCCTTAATAAATGAAT 762
Db 6991 TTTTATATATTTTAAAAAATAATATATATATATATATATATATATATATATATAT 6932
QY 763 TCGCATATAATTAATAATTTTTCACCAAAAAAGTAGACTATGCTA---TCTAAAAAT 818
Db 6931 ATCTCAACAAAAAATAAT 6872
QY 819 TGATTTCCCAATATAGAACAAATTTCTCAAAATGAACAAACATTTGAAATTTCTCGATAGA 878
Db 6871 TATTTAATATATATATATATATATATTTTATGTTTATTTATTAAGTAAATATATAAT 6812
QY 879 AACATTTACTTATTTTGAATTTGGGACATATTTCCAAAGTTTATTTCCAAAGTAACTTGA 938
Db 6811 AGAAAAAATAATACGAAATAACAAACATATAAATAAGTATATATATATATATATATAT 6752
QY 939 AGAAAAAGTTGATGAGATTACATATTTTGTGTTTTCATATATGAAATTTTCATGAAA 998
Db 6751 ATTTAATTTAATATATATATATATATATATTTTGTGCTTATTTTATTTATATATAT 6692
QY 999 ATTAATGTCACACAAATGATGATGAGATTAACCAAGTTTATCGTTATTTGAATTTCT 1058
Db 6691 ATATATATATATAGATAACAAAGACAAATATGTTCTGTTCTCTCTATCTAT 6632
QY 1059 TTTATTAACCAACAAATTTTAAACTTTGTTGCAATAGACCAATATAGTTTAACTCC 1118
Db 6631 ATTTATCAT 6572
QY 1119 ATCTGGGCTATTTGATGAAATTTGTAATTTTGTATATTTTAAATAATTTTCTGATTT 1178
Db 6571 ATGTTGAT---TATATTAAGTAGTATATATATATATATATATATTTTGTGTTATAT 6516
QY 1179 ATTTGATATATTTGATTTAGATAACAAATTAAGATTTAAATATATTTATTTATCTTA 1238
Db 6515 ATTAATAATTA-TTAT 6457
QY 1239 ATATAACATTTGTTAAATTTTCTTATTTTAGACCAATTTCTCTTATTTTATATAACATT 1298

Db	1348	TATATATATAATATATATCTTTTTTATTTAATGTTCTCTCTCTTTTTTTTTTTTTTAAATAATAA	1407
QY	1352	AATGCTATAAAAATATGGGCTCTTTATTCACCTTCATGATAAATTATGAAAAATAATAATA	1411
Db	1408	TAAATATTAATAATATTTTTTTTTTTCATTAATATATGATTATGATTATTTAATTAATAATAAAT	1467
QY	1412	AATTTAATTATATATATTCATTTTCATCTAATCGTCAAGCTAGATATTAATA	1462
Db	1468	CTTTTAAAAAAGCTTCAAAACATTTTTTGCATAAAATAATATTAATAATATAGTA	1518

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RESULT 7
US-08-998-416-186
; Sequence 186, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippssen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgens
; APPLICANT: Knechtel, Philipp
; APPLICANT: Rebeschung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPII
; AND USES THEREOF

```

[illegible]

Db	76	TTAAACTATATATCACTATTATAATAAATAATTAATTTGGATTATTAATTAATTAATTAATATAT	135
QY	871	GATATAGAAAACATTTACTTATTTTGAATTCGGGACATATCCAAAGTTTATTTCCAAACGT	930
Db	136	AAATTATATATAATTTACTTAATTCATCATTTAATATT--TATATAATTTATATAAAAT	192
QY	931	ACCTTTGAAGGAAAAGTTGATGGAGATTACATCCATATTTTGGTTTTCATATGTGAATTT	990
Db	193	AAATATTAATATGAATACATATTTAGTCTATGTCCAAATTTTAAATTTAGTTATTAAATAAT	252
QY	991	CATGGGAAATTAATAATGCACACAAAATGATGTATGAGATTAAACCAAGTTTATCGTTAT	1050
Db	253	TATAGATATATATTTTTC-----TTTAATAAATTTAATAATAGATTATCAATAA	303
QY	1051	TGAATTCCTTTTATTAATAAAACCAACAAAATTTTAAACCTGTTTGCATAGACCAATATA	1110
Db	304	TTAATATATATTTATTAATTCGTTTATTAATAATATATATTTTATTTATATAAGATTTA	363
QY	1111	GTTAATCCATCGTGGCTATTCGTAGATAAATGTAATATTTTGGTTATATTTTAATAATAT	1170
Db	364	ATTATTTAAATATTGTAATATTTATTTTATTATAATATCTATTTTATAAATATATAT	423
QY	1171	TTTGATTTATTTGATATATTTGTATTTAGATAACAAAATTAAGATTTAAATATATTTT	1230
Db	424	GTTGATTTTATTT-ATTTAACTTTTTATAAGAATTTATTTAAAAATTAATTTTAACTTTA	482
QY	1231	ATATCTTAATAATAACATTTGTTAAATTTTCTATTTTAGACCATTCTCTTATTTTAT	1290
Db	483	ATTTCATTATTAATTAATTTTATTTATTTAATAATAATATATTCATTTTATTTTATTT	542
QY	1291	ATTAACATTTTAATAACTAAATGATGTGACACACACTAATATTTTATCCAAAGAAA	1350
Db	543	ATTTAATTAATTAATTTATTTAATTAATTTTATTAATTTTATTCATATTTAATAATAA	602
QY	1351	TAAT 1354	
Db	603	TTAT 606	

RESULT 8
 US-09-316-083-2/c
 ; Sequence 2, Application US/09316083A
 ; Patent No. 6280942
 ; GENERAL INFORMATION:
 ; APPLICANT: The Institute of Physical and Chemical Research
 ; TITLE OF INVENTION: Endonuclease
 ; FILE REFERENCE: PH-651
 ; CURRENT APPLICATION NUMBER: US/09/316,083A
 ; CURRENT FILING DATE: 1999-05-20
 ; EARLIER APPLICATION NUMBER: JP98/141861
 ; EARLIER FILING DATE: 1998-05-22
 ; NUMBER OF SEQ ID NOS: 38
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 1431
 ; TYPE: DNA
 ; ORGANISM: Saccharomyces cerevisiae
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(1428)
 US-09-316-083-2

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RESULT 8
US-09-316-083-2/c
; Sequence 2, Application US/09316083A
; Patent No. 6280942
; GENERAL INFORMATION:
; APPLICANT: The Institute of Physical and Chemical Research
; TITLE OF INVENTION: Endonuclease
; FILE REFERENCE: PH-651
; CURRENT APPLICATION NUMBER: US/09/316,083A
; CURRENT FILING DATE: 1999-05-20
; EARLIER APPLICATION NUMBER: JP98/141861
; EARLIER FILING DATE: 1998-05-22
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1428)
US-09-316-083-2

```

Query Match	5.2%	Score 80.8;	DB 4;	Length 1431;
Best Local Similarity	44.4%;	Pred. No. 3.6e-05;		
Matches 457;	Conservative 1;	Mismatches 563;	Indels 9;	Gaps 3;

Qy	419	ACAAAAGATTATAAAAAATCGTTTTAGTCAAATCTCAACAATTTGATTAACCAAAATTAAC	478
Db	1125	AGAAATAGATAAATCAAAAGATCTTGAATTAATAATAATTAATCTTTACGTGTTTCAAC	1066
Qy	479	GATAGAAATGAAATAATAAATCGGTTAGATTGGCTATCCAAATTTAAATGACCAAAATCT	538
Db	1065	TTGTGAAATAACAATACTAGGTCATATTTTAAATAATAATATCTATCTCTTTAGAGTATA	1006

QY 539 AAACGATCGTATACCAAACTTAACGATCGKATACCAAACTTAATGATCATGTACCAAA 598
DB 1005 CATAGATGATAAAAGAACCACTCGAGCTGTAHAACCCAGCTAACCAATTAATTTT 946
QY 599 TATATTATGACATTTGTCAGAGGCTGGTGGACGGAACATTTGTATATTTTCTTATATG 658
DB 945 AATATCCATAATATTTTAAAGTAGTAATTTATTAATTTTAAATTAATATATAAGG 886
QY 659 GGTGTTGAGAAATTTTTCATTTTCCAAATTTGCTATACATATAAATATAAATATTTA 718
DB 885 GATATGATATTAATTTTGAATTAATTTTAAATCACTATATAATTTTATATAATATAGT 826
QY 719 CCATCTGCTATATTTTCCAAAGACCCCTTAATAATTAATTAATGCAATTTTATTT 774
DB 825 AAAATCTTTTCTTACCTAAATTTAGTTTAAATTAATTAAGAGAAAGCAATTAACAAATA 766
QY 775 AAAATTTTCCCAAAAAAGTAGATGATGCTATCAATTAATTTGATTTCCCAATATAGA 834
DB 765 AGGATTATCTTTTAAAGTATCCATCTTTTCTACTAAAATACATTTTAAATTTCTTT 706
QY 835 ACAATTTCTCAAAATGAACAAACATTTGAAATTTCTGATATAGAAACATTTTACTTTT 894
DB 705 ATTAATAAGATAGATTTTAATACATCATTTAGCATGATTTAGTAAATGTAATACCTCCAGG 646
QY 895 TGAATTTGGACATATTTCCAAAGTTTATTTCC--AAACGTAACCTTTGAAGGAAAGTTGATT 952
DB 645 ACCAATATACCATCACTTCAATTAACCTGATTAATATCAATTAATTTATTTATTT 586
QY 953 GAGATTACATCCAPATTTTGTGTTTTCATATTTGATTTGATTTGATTTGATTTGATTTG 1012
DB 585 TAAATTAATCTGTTTAAATTAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAA 526
QY 1013 AAAATGATGATGATGATTAACCAAGTTTATCTGTTTATGATTTTATTTTAAACACC 1072
DB 525 ATTATTAGGATCATATTTTACATATCTAAATATTTTATATTTTATTTTAAATTTT 466
QY 1073 AAAAAATTTTAAACCTTTTGTGCAATAGACCAATATAGTTTAAATCCATCGGTGCTATTG 1132
DB 465 ATCCATTAATTAATTAATTTATGATA--AAATGATTTCAATATAGAGTTTATTAAT 409
QY 1133 TAGATAATTTGATATTTTGTATTTTATTAATTAATTTTATTTTATTTTATTTTATTTT 1192
DB 408 TAAATTTATCATATATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTT 349
QY 1193 GTATTTAGATTAACAAATTAAGATTTAAATTTTATTTTATTTTATTTTATTTTATTT 1252
DB 348 ATTATTATTAATTTATCCATTTTCCATTTTATTTTATTTTATTTTATTTTATTTTAT 289
QY 1253 TAAATTTTCTTATTTTATGACCATTTCTTTATTTTATTTTATTTTATTTTATTTTATTT 1312
DB 288 TAAATTTATATCCATATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 229
QY 1313 ATGTGACACACATTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 1372
DB 228 TTGTTTATGATGATTTATTAATATATTTTATTTTATTTTATTTTATTTTATTTTATTT 169
QY 1373 TCTTTATCCATTTATGATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 1432
DB 168 ATTATCCATTTTAAATAAACAAGTCATATTTATTTTATTTTATTTTATTTTATTTTAT 109
QY 1433 TCATCTTAATC 1442
DB 108 TTCCATATATC 99

RESULT 9
US-07-867-106-2/c
; Sequence 2, Application US/07867106
; Patent No. 5389526
; GENERAL INFORMATION:
; APPLICANT: Slade, Martin B
; APPLICANT: Chang, Andy C M

APPLICANT: Williams, Keith L
TITLE OF INVENTION: Improved Plasmid Vectors for Cellular
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5389526-r1s
STREET: One Liberty Place 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/07/867,106
APPLICATION NUMBER: PCT/AU90/00530
FILING DATE: 02-NOV-1989
APPLICATION NUMBER: AU PJ 7187
FILING DATE: 02-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Feeney, Joanne Longo
REGISTRATION NUMBER: 35,134
REFERENCE/DOCKET NUMBER: RICE-0002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5852 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
US-07-867-106-2
Query Match 4.9%; Score 76.2; DB 1; Length 5852;
Best Local Similarity 44.0%; Pred. No. 0.00019;
Matches 469; Conservative 0; Mismatches 583; Indels 13; Gaps 3;
QY 359 CAATTTTAAACAATCGCGTAAATAAATAAAGATCGTAGACAAATCTAAAGATCGTGC 418
DB 2470 CAACGACATCTTTCTTTTACACCTTTGATTTCTTCCAAAGATTTACAAAACTT 2411
QY 419 ACAAAGATTTAAATAATCGTTTGTAGTCAATCTTAAACAATCTGTATACCAATTAAC 478
DB 2410 AAAAAACCTATCCCAAGAAATAAGTTCGTCCATTTTAAATCTTTTGAATAAATAAC 2351
QY 479 GATGAAATTTGAATTAATTAATCGGTGATTTGGTATCCCAATTTAAATGACCAATCT 538
DB 2350 CAAACACTATTTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2295
QY 539 AAACGATCGTATACCAAACTTAACGATCGKATACCAAACTTAATGATCATGTACCAAA 598
DB 2294 AATGAAAGTGTGGGAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2235
QY 559 TATATTATGACATTTGTCAGAGGCTGGTGGACGGAACATTTGTATATTTTCTTATATG 658
DB 2234 TTTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2181
QY 659 GGTGTTGAGAAATTTTTCATTTTCCAAATTTGCTATACATATAAATATAAATTTT 718
DB 2180 GTCATGCCAAACACTGATAAATATTTGATATATTTTATTTTATTTTATTTTATTT 2121

QY 1287 TTATATACATTTTAAATA 1304
 Db 1237 ATTTTTTTTATTTTTTA 1220

RESULT 13

US-07-991-867B-8
 ; Sequence 8, Application US/07991867B
 ; Patent No. 5476781
 ; GENERAL INFORMATION:
 ; APPLICANT: Moyer, Richard W.
 ; APPLICANT: Hall, Richard L.
 ; APPLICANT: Gruidl, Michael E.
 ; TITLE OF INVENTION: No. 5476781el Entomopoxvirus Expression System
 ; NUMBER OF SEQUENCES: 66
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: David R. Saliwanchik
 ; STREET: 2421 N.W. 41st Street, Suite A-1
 ; CITY: Gainesville
 ; STATE: FL
 ; COUNTRY: USA
 ; ZIP: 32606

COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/991,867B
 ; FILING DATE: 12-DEC-1992

CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: WO 92/14818
 ; FILING DATE: 12-FEB-1992
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/827,685
 ; FILING DATE: 30-JAN-1992
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/657,584
 ; FILING DATE: 19-FEB-1991

ATTORNEY/AGENT INFORMATION:
 ; NAME: Saliwanchik, David R.
 ; REGISTRATION NUMBER: 31,794
 ; REFERENCE/DOCKET NUMBER: UFL14.C3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 904-375-8100
 ; TELEFAX: 904-372-5800

INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1511 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: DNA (genomic)
 ; ORIGINAL SOURCE:
 ; ORGANISM: Amsacta moorei entomopoxvirus

FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: complement (18..218)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: complement (234..782)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 852..1511

US-07-991-867B-8

Query Match 4.78; Score 73.4; DB 1; Length 1511;
 Best Local Similarity 46.38; Pred. No. 0.00051;
 Matches 355; Conservative 0; Mismatches 401; Indels 11; Gaps 3;
 QY 669 ATTTTTTCATTTTCGAAATGTTCTCTACAAATAATAAATATATTTTACCACCTTCGTT 728

Db 421 ATATTTCTGTTAAAGTCAAAATTTTAAATCCGCAACAAATAACTTTTTTTTATTATATAGCC 480
 QY 729 ATATTTTCGAAAAGACCCCTTAAATTAATGAAATTCGATATAATTAATAATTTTTTCCCA 788
 Db 481 ATTTTATCACAATAATGTTCTAAATCAATTTCTTCAAAAATTTGACACTCATCTATGCCA 540
 QY 789 AAAAAAGTAGACTATGCTCTATCTAATAAAATTTGATTTCCCAATATATAGAACAAATCTCAAAA 848
 Db 541 ATAATATCATATAAT-----TATCAGGATATGATTTTCAATTAATTAATTTATTTGTTTTAA 595
 QY 849 TGAACAACAAATTTGAAATTTCCGATATAGAAAACATTTTACTTATTTTGAATTTGGGACATA 908
 Db 596 TGTATAAATATCTTTTATTAATATATTTCCGTCAGATTTTATTAATTTTATTTTATTTATTA 655
 QY 909 TTCCAAAGTTTATTTCCAAACGTAACTTTGAAGGAAAAGTTGATTTGAGATTACATCATAT 968
 Db 656 ATCTATTATCTATATATGAGTTATAATACACATTTTGTGATTAGATAAAATATATCTAT 715
 QY 969 TTTTGTGTTTTCATATGAAATTTTCATGGGAAATTTAAATGCGCACACAAAATGATGATGAGA 1028
 Db 716 TAAATTTTCGCATCAATTTCTGTTGTTTCCAGAAAACATAGGACCAATTTAATTTCTA 775
 QY 1029 TTAACCAAAAGTTTATCGTTTATGAAATTTCTTTTATTAACCAACCAACAAATTTTAAAC 1088
 Db 776 -TCGACATTTTATTTTATTTATTTGATATATTTTTCAAAAAATAATTAATCAATGAAAA 834
 QY 1089 TTGTTGCAATAGACCAATATAGTTAAATCCATCGTGGTCTATTTGTAGATAAATTTGTAATA 1148
 Db 835 AATAAATAATATCAAAATGATTTTACTAAATTCGATATAATTTTAATAAATAATTTTAA 894
 QY 1149 TTTTGTATATTTAATAAATATTTTGAATTTTATTTGATATATTTGATATATTTGATATACAAA 1208
 Db 895 AATATTAATTTTAAAAAATAATAAAGACAGAGAAATGTTTATTAATTAATATATAT 954
 QY 1209 ATTAAGATTTAAATATTTTATATCTTAAATATAAACAATTTGTTAAATTTTCTATTTT 1268
 Db 955 TAAAAAATAGTTAATTTAGAGNATTTGCAATATATATATATATATATATATATATTTAA 1014
 QY 1269 AGACCATTTCTCTATTTTATATAACAATTTTAAATACTAAATGATGTGACACACACTAA 1328
 Db 1015 ATAATATTTCCAGAAA-----ATATTAAGTTTATATATATTTTCAAAATTTAAATATTTAA 1069
 QY 1329 TATTTATTTTATCCAAAGAAAATAATGCTATAAAATATGGGTCTTCTTTATACCTTAT 1388
 Db 1070 TTTAATTTTATAACAAATTTAAAAAATAAACAATTTAGATATATCTTTATATACAAAA 1129
 QY 1389 GATAATTATGAAAAATAAATAAATAAATTTAATTAATTAATTCATTTCA 1435
 Db 1130 TACCAATATAGTATTTAA 1176

RESULT 14

US-08-107-755A-8
 ; Sequence 8, Application US/08107755A
 ; Patent No. 5721352
 ; GENERAL INFORMATION:
 ; APPLICANT: Moyer, Richard W.
 ; APPLICANT: Hall, Richard L.
 ; APPLICANT: Gruidl, Michael E.
 ; TITLE OF INVENTION: No. 5721352el Entomopoxvirus Expression System
 ; NUMBER OF SEQUENCES: 40
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: David R. Saliwanchik
 ; STREET: 2421 N.W. 41st Street, Suite A-1
 ; CITY: Gainesville
 ; STATE: Florida
 ; COUNTRY: U.S.A.
 ; ZIP: 32606

COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

Search completed: November 2, 2002, 14:19:20
Job time : 171.327 secs

TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Amsacta moorei entemopoxvirus

FEATURE:
NAME/KEY: CDS
LOCATION: complement (18..218)
FEATURE:
NAME/KEY: CDS
LOCATION: complement (234..782)
FEATURE:
NAME/KEY: CDS
LOCATION: 852..1511

US-08-544-332-8

Query Match 4.78; Score 73.4; DB 2; Length 1511;
Best Local Similarity 46.38; Pred. No. 0.00051;
Matches 355; Conservative 0; Mismatches 401; Indels 11; Gaps 3;

OY 669 ATTTTTCATTTTCGAAATGTTCTATACAAATATAAATAATATTTTACCACCTTCGTT 728
DB 421 ATATTTCTGTTAAAGTCACAAATTTAATCCAGCAACAATTAATTTTATATATAGCC 480
OY 729 ATATTTTCGAAAGACCCCTTAATAAATTAATTCGCATATAATTAATAATTTTCCCA 788
DB 481 ATTTTATCACAAATTTGTTCAATCAATTTCTTCAAAAAATGACACTCATCTATGCCA 540
OY 789 AAAAAAGTAGACTATGCTCTCTAAAAAATTTGATTCCTCAATATAGACAAATTTCTCAAAA 848
DB 541 ATAATATCATATAT-----TATCTAGCATATGATTTTCAATTAATAATTTATTTGTTTAA 595
OY 849 TGAACAAACATTTGAAATTCGATATAGAAAAACATTTTACTTTTGAATTTGGGACATA 908
DB 596 TGTATAAATATTTCTTTTATATATATTTTCCGTCAGATTTATTAATTTTATTTATTTAT 655
OY 909 TTCCAAAGTTTATTCACACGTTAACTTTGAGGAAAGTTGATTTGAGATTTACATCCATAT 968
DB 656 ATCTATTATCTATATATGAGTTAATAATACACATTTTGTAGTAAATATATCTAT 715
OY 969 TTTTGTGTTTCAATATGAAATTCATGCGAAATTAATAATGCCACAAATGATGATGAGA 1028
DB 716 TAAATTTTCGCATCAATTCGTGTTTTCGCCAGAAACATAGGACCAATTTATTAATCTTA 775
OY 1029 TTAACCAAAAGTTTATCGTTATTTGATTTCTTTTATTAATAAACCAAAATTTTAAAC 1088
DB 776 -TCGACATTTTATTTATTTGATATATTTTTCACAAAAAATTTATCAATGAATAA 834
OY 1089 TTGTTTGCATATAGCAATATATAGTTAATCCATCGTGGTCTATTGTAGATAAATTTGAATA 1148
DB 835 AAAAAAATATCAAAATGGATTTACTAAATTCGATATATTTTAAATAATATTTTAA 894
OY 1149 TTTTGTATATATTAATAATTTTGTATTTATTTGATATATTTGATATTTGATATACAAA 1208
DB 895 AATATTAATAATTTAAAAAATAAATAAACAAGATAATGTTATTAATTAATATATAT 954
OY 1209 ATTAAGATTTAATATTTTATATCTTAATATAACATTTGTTAAATTTTCTATTTT 1268
DB 955 TAAAAAATTTAGTAAATTTAGAAAGATTCGATATATATTTATGATATAATAATTTTAA 1014
OY 1269 AGACCATTTCTCTTTTATTAACATTTTAAATACTAATATGATGTGACACACACTAA 1328
DB 1015 ATATATTTCCAGAAA-----ATATTAAGATTTATATATTTTCAAAATTTAAATATTTAA 1069
OY 1329 TATATTTTATCCAAAGAAATAATGCTATAAAAAATGCGGTCTTTTATCACCTTCAT 1388
DB 1070 TTTAAATTTTAAACAAATTTAAAAAATAAACAATTTAGATATATCTTATAACAAAAA 1129
OY 1389 GATTAATTAAGAAATAAATAAATTTAATTAATTAATTTCAATTTCA 1435
DB 1130 TAGCAATATAAGTAATATATATATATACCATTTCTATAGAAATTTTAA 1176